

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

PETROGLYPH OPERATING CO., INC.

3. ADDRESS AND TELEPHONE NO.

P.O. BOX 607 ROOSEVELT, UT 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

2241' FNL & 650' FEL LOT 9

At proposed prod. zone 199

(SENE)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

19.5 miles southwest of Myton, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

650'

16. NO. OF ACRES IN LEASE

727.80

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

6448'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5937.1 Graded Ground

22. APPROX. DATE WORK WILL START*

May 1996

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24.0#	250'	135 sx class "G" + 2% CaCl ₂
7 7/8	5 1/2	15.5#	6448'	+ 1/4 #/sx Celloflake.
				50/50 POZMIX + 2% GEL + 10% SALT TO 400' ABOVE ALL ZONES OF INTEREST (+10% EXCESS). LIGHT CEMENT (11 PPG ±) + LCM TO 200' ABOVE OIL SHALE OR FRESH WATER INTERVALS (+ 5% EXCESS).

PETROGLYPH OPERATING CO., INC WILL BE THE DESIGNATED
OPERATOR OF THE SUBJECT WELL UNDER BOND # BO 4556.

pc: Utah Division of Oil, Gas and Mining
Bureau of Indian Affairs, Fort Duchesne, UT
Uintah & Ouray Tribe, Fort Duchesne, UT

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE AGENT FOR PETROGLYPH

DATE 5-10-96

(This space for Federal or State office use)

PERMIT NO.

43-013-31657

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

TITLE

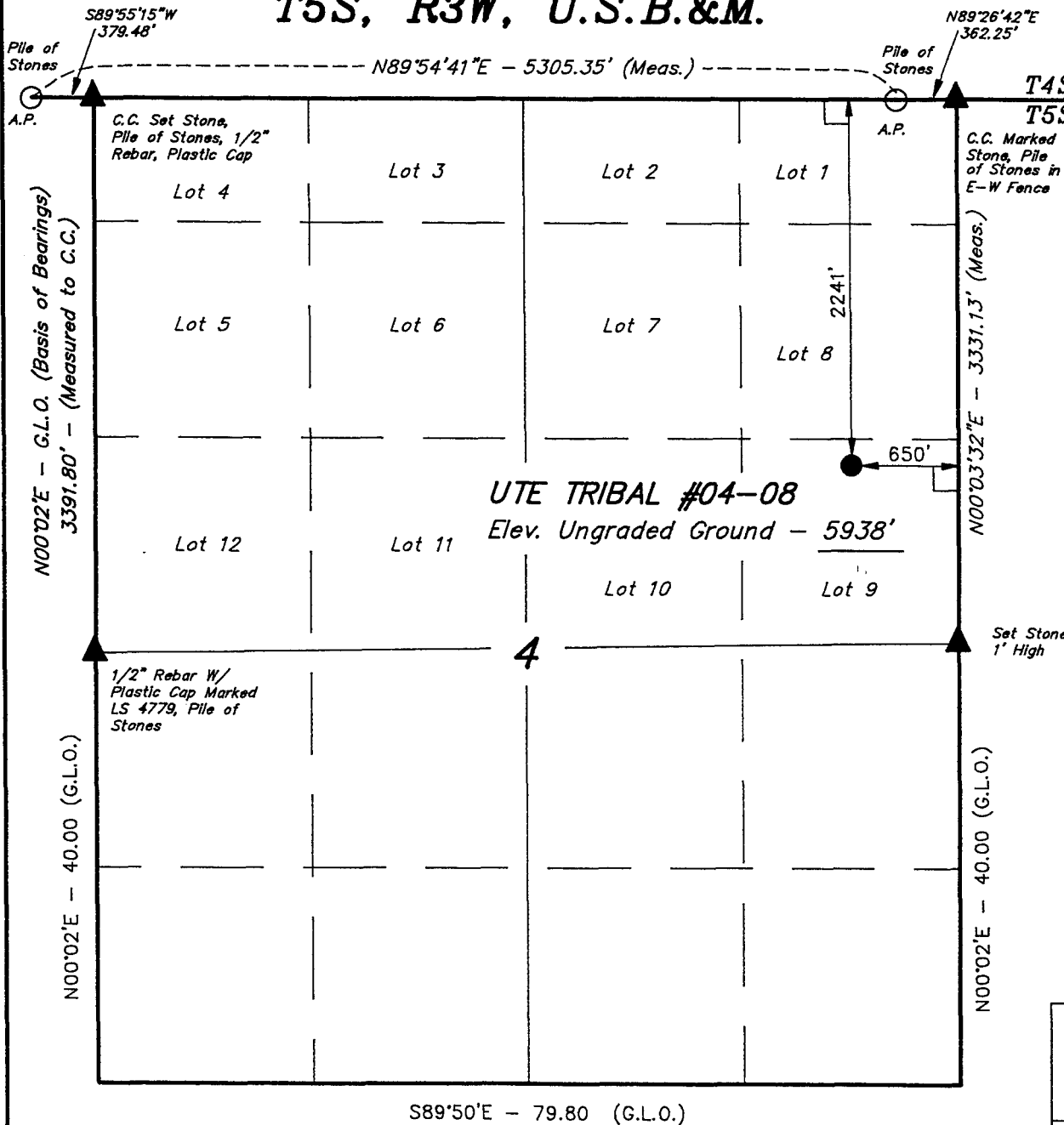
DATE

*See Instructions On Reverse Side

T5S, R3W, U.S.B.&M.

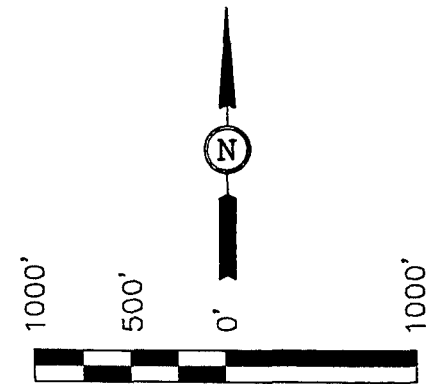
PETROGLYPH OPERATING CO., INC.

Well Location, UTE TRIBAL #04-08, located as shown in Lot 9 of Section 4, T5S, R3W, U.S.B.&M. Duchesne County, Utah.



BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 4, T5S, R3W, U.S.B.&M. TAKEN FROM THE DUCHESNE SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5938 FEET.



SCALE

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Robert L. Kay

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(801) 789-1017

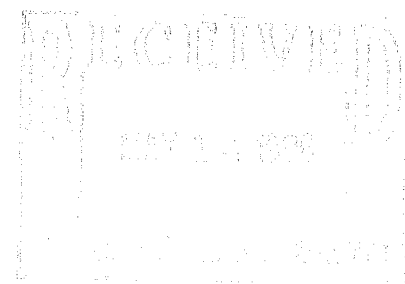
LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- = SECTION CORNERS LOCATED.
- = ANGLE POINT

SCALE 1" = 1000'	DATE SURVEYED: 4-9-96	DATE DRAWN: 4-18-96
PARTY J.D. D.G. C.B.T.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE PETROGLYPH OPERATING CO., INC.	

EIGHT POINT PLAN

UTE TRIBAL # 04-08
Lot 9, SEC. 4, T5S R3W
DUCHESNE COUNTY, UTAH



1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

FORMATIONS	DEPTH	SUBSEA
Mahogany Shale	3020	2928
'X' marker	4654	1294
'Y' marker	4762	1186
Douglas Creek	4794	1154
"B" Limestone	5190	758
B/Castle Peak Limestone	5758	190
Basal Carbonate Limestone	6148	-200
Total Depth	6448	-500

Anticipated BHP 2800 psi

2. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS FORMATIONS:

Substance	Formation	Depth	Subsea
Oil/Gas	Douglas Creek	4794	1154
Oil/Gas	B/Castle Peak	5758	190
Other mineral zones	N/A		

3. PRESSURE CONTROL EQUIPMENT : BOP Schematic Diagram attached.

4. CASING PROGRAM :

						<u>MINIMUM SAFETY FACTOR</u>		
<u>HOLE SIZE</u>	<u>INTERVAL</u>	<u>LENGTH</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>COLLAPSE</u>	<u>BURST</u>	<u>TENSILE</u>
12 1/4	0' - 250'	250'	8 5/8	24.0 #	J-55	1370 PSI	2950 PSI	263,000#
7 7/8	0' - 6448'	6448'	5 1/2	15.5 #	J-55	4040 PSI	4810 PSI	202,000#

All casing will be new or inspected.

EIGHT POINT PLAN

UTE TRIBAL # 04-08
Lot 9, SEC. 4, T5S R3W
DUCHESNE COUNTY, UTAH

5. MUD PROGRAM

INTERVAL

0' - 250'
250' - 4000'
4000' - TD
TD

MUD TYPE

Air
Air/Mist & Aerated Water
Air/3% KCL water or KCL substitute
Gel/polyacrylamide polymer w/5-10% LCM

Sufficient mud inventory will be maintained on location during drilling to handle any adverse conditions that may arise.

6. VARIANCE REQUESTS:

- A. Petroglyph Operating Co., Inc. requests a variance to regulations requiring a straight run blooie line.
- B. Petroglyph Operating Co., Inc. requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line.

7. EVALUATION PROGRAM:

Logs: Mud Logging	T.D. to base of surface csg.
Compensated Density-Compensated Neutron Log	T.D. to base of surface csg.
Dual Laterolog - Micro-SFL	T.D. to base of surface csg.
Numar (Magnetic Resonance Imaging Log)	@ Geologists discretion

Cores: None Programmed
DST': None Programmed

Completion: To be submitted at a later date.

8. ABNORMAL CONDITIONS:

None anticipated.

EIGHT POINT PLAN

UTE TRIBAL # 04-08
Lot 9, SEC. 4, T5S R3W
DUCHESNE COUNTY, UTAH

9. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

10. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

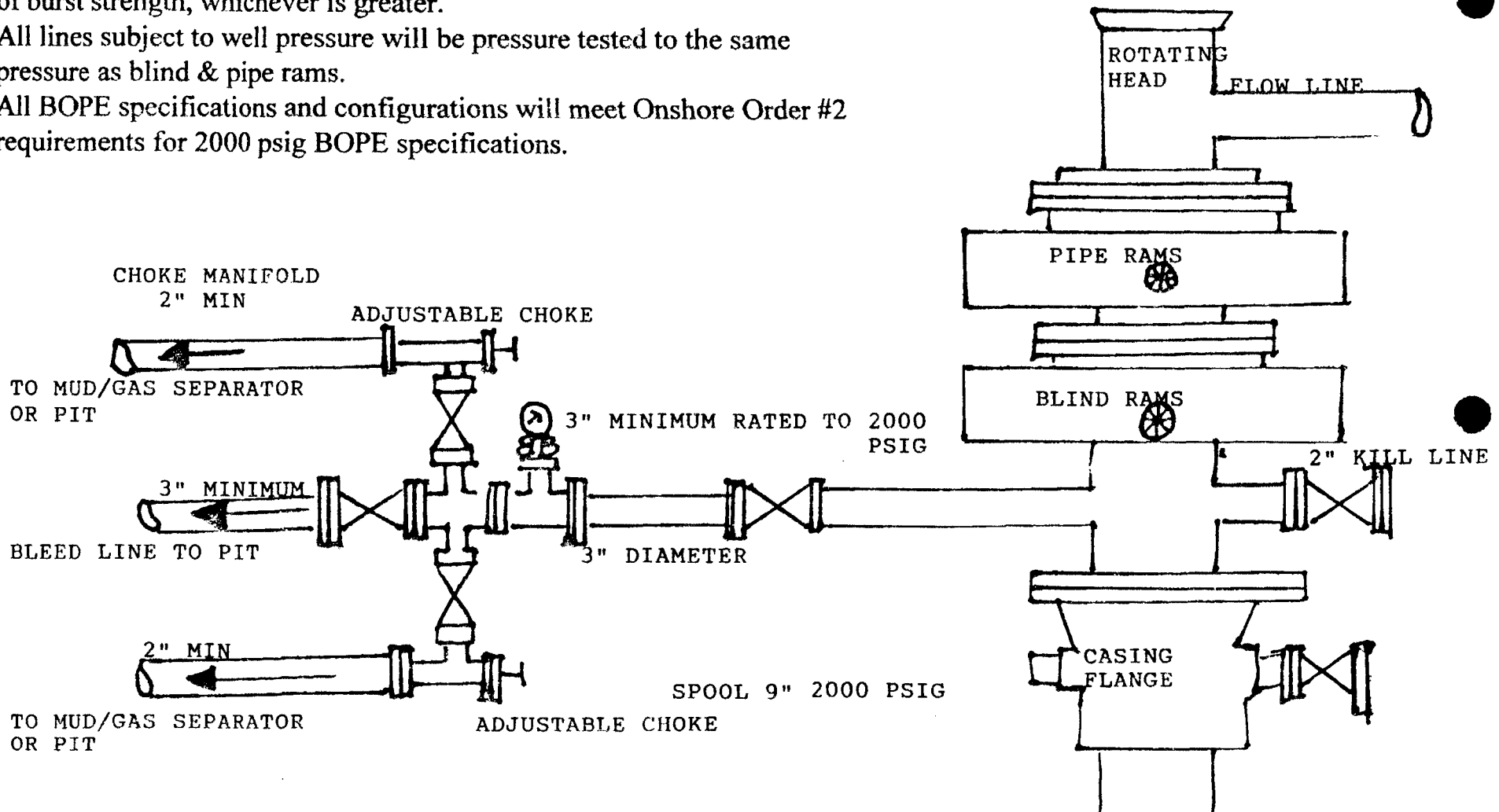
(Attachment: BOP Schematic Diagram)

2000 PSIG DIAGRAM

BOTH RAMS ARE 2000 PSIG RATED.
CASING FLANGE IS 9" 2000 PSIG RATED.
BOPE 9" 2000 PSIG

TESTING PROCEDURE:

1. BOPE 's will be tested with a professional tester to conform to Onshore Order #2 with retest every 14 days.
2. Blind & Pipe rams will be tested to rated working pressure, 2000 psig
3. Casing will be tested to 0.22 psi/ft. or 1500 psig. Not to exceed 70% of burst strength, whichever is greater.
4. All lines subject to well pressure will be pressure tested to the same pressure as blind & pipe rams.
5. All BOPE specifications and configurations will meet Onshore Order #2 requirements for 2000 psig BOPE specifications.



CONDITIONS OF APPROVAL
FOR THE SURFACE USE PROGRAM OF THE
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Petroglyph Operating Co., Inc.
Well Name & Number: Ute Tribal #04-08
Lease Number: BIA 14-20-H62-3503
Location: 2241' FNL & 650' FEL Lot 9, Sec. 4, T5S R3W
U.S.B.&M., Duchesne County, Utah
Surface Ownership: Ute Indian Tribe

NOTIFICATION REQUIREMENTS

Location Construction - forty-eight (48) hours prior to construction of location and access roads.

Location Completion - prior to moving on the drilling rig.

Spud Notice - at least twenty-four (24) hours prior to spudding the well.

Casing String and Cementing - twenty-four (24) hours prior to running casing and cementing all casing strings.

BOP and related Equipment Tests - twenty-four (24) hours prior to running casing and tests.

First Production Notice - within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice To Drill and Surface Use Program.

THIRTEEN POINT SURFACE USE PROGRAM

1. EXISTING ROADS

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing road.
- B. The proposed well site is located approximately 19.5 miles southwest of Myton, Utah - See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary. No off lease Right-of-Way will be required.

2. PLANNED ACCESS ROAD

- A. The access road will be approximately 0.2 miles in length. See attached TOPO Map "B"
- B. The access road has a 30 foot ROW w/18 foot running surface.
- C. Maximum grade on access road will be 8%
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No culverts, bridges or major cuts & fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards or fences will be required or encountered.

New or reconstructed roads will be centerlined - flagged at time of location staking.

All travel will be confined to existing access road Right-of-Way.

Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service Publication: Surface Operating Standards For Oil & Gas Exploration and Development, (1989).

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, drainage, graveling, crowning, and capping the

roadbed as necessary to provide a well-constructed safe road.

Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot Right-of- Way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossings nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by run off water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

As operator, Petroglyph Operating Co., Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

3. LOCATION OF EXISTING WELLS WITHIN A ONE MILE RADIUS OF PROPOSED WELL LOCATION

- A. Water wells - None
 - B. Abandoned wells - None
 - C. Temporarily abandoned wells - None.
 - D. Disposal wells - 1*
 - E. Drilling wells - None.
 - F. Producing wells - 8*
 - G. Shut in wells - None
 - H. Injection wells - None
- (*See attached TOPO map "C" for location)

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

A. ON WELL PAD

- 1. Tank batteries - None
- 2. Production facilities-To be submitted later
- 3. Oil gathering lines - None

4. Gas gathering lines-None
5. Injection lines - None
6. Disposal lines - None
7. Surface pits - None

B. OFF WELL PAD

1. Proposed location of attendant off pad flowlines shall be flagged prior to archaeological clearance.
2. A 4 1/2" OD steel above ground production pipeline will be laid approximately 900' from proposed location to a point in the NE/NE of Section 4, T5S, R3W, where it will tie into Petroglyph Operating Co., Inc.'s existing facility at the Ute Tribal #04-01 tank battery. Proposed pipeline crosses Ute Tribe lands, thus a Right-of-Way grant will be required. See attached TOPO Map D showing pipeline route.
3. Proposed pipeline will be a 4 1/2" OD steel, welded line laid on the surface.
4. Protective measures and devices for livestock and wildlife will be taken and/or installed where required.

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire contents of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

The production facilities will be placed on the Ute Tribal #04-01 location.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities required will be painted within 6 months of installation. Facilities required to comply with O.S.H.A.

(Occupational Safety and Health Act) will be excluded.
The required paint color is Desert Brown.

5. LOCATION & TYPE OF WATER SUPPLY

- A. Water supply will be from Target Trucking's Roosevelt Brine Storage and/or Target's water source in SE 1/4, Sec. 1, T 4S, R 5W Duchesne County, Utah (State water right #43-10152). All water will come from a non-depletable source.
- B. Water will be hauled by Target Trucking.
- C. No water well will be drilled on lease.

6. SOURCE OF CONSTRUCTION MATERIAL

- A. All construction material for this location and access road will be of native borrow and soil accumulated during the construction of location.
- B. All construction material will come from Ute Tribal Land.
- C. No mineral materials will be required.

7. METHODS OF HANDLING WASTE DISPOSAL

A. METHODS AND LOCATION

- 1. Cuttings will be confined in the reserve pit.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at an approved waste disposal facility.
- 4. Produced waste water will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, together with the required water analysis, will be submitted for the AO's approval.

5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on drilling rig to avoid leakage of oil to pit.

B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in reserve pit or be removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to reserve pit will be avoided by flaring them off in flare pit at time of recovery.

Burning of trash will not be allowed. All trash must be contained in a trash cage and hauled away to an approved disposal site at the completion of the drilling activities.

On BIA administered land:

All reserve pits will be lined with either native clay, commercial bentonite or plastic sufficient to prevent seepage. (If a plastic nylon reinforced liner is used, it shall be torn and perforated after the pit dries and before backfilling of the reserve pit).

A 12 mill liner shall be installed in the reserve pit.

___To protect the environment:

If the reserve pit is lined the operator will provide the BIA with a chemical analysis of the fluids in that pit no later than 90 days after the well completion to determine the method for final reclamation of the reserve pit. If the elemental concentrations shown by the chemical analysis exceeds the requirements described by part II, Standards of Quality for Waters of the State, Wastewater Disposal Regulations, State of Utah Division of Health, the contents and liner will be removed and disposed of at an authorized disposal site.

___To protect the environment (without a chemical analysis)
reserve pits will be constructed so as not to leak, break, or allow discharge of liquids.

___Storage tanks will be used if drill sites are located on tribal

irrigable land, flood plains, or on lands under crop production. After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. During the 90 day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

8. ANCILLARY FACILITIES

- A. No airstrips or camps are planned for this well.

9. WELL SITE LAYOUT

- A. Refer to attached well site plat for related topography cuts and fills & cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation parking areas, and access road.

The reserve pit will be located on the East side of the location.

The flare pit will be located downwind of the prevailing wind direction on the East side of the location, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled topsoil will be stored on the Southeast corner.

Access to the well pad will be from the South.

N/A Diversion ditch(es) shall be constructed on the _____ side of the location (above/below) the cut slope, draining to the _____

N/A Soil compacted earthen berm(s) shall be placed on the _____ side(s) of the location between the _____

N/A The drainage(s) shall be diverted around the sides of the well pad location.

N/A The reserve pit and/or pad locations shall be constructed long and narrow for topographic reasons _____

X Corner No. 2 will be rounded off to minimize cut.

FENCING REQUIREMENTS

All pits will be fenced according to the following minimum standards:

- A. 39 inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16'.
- E. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until clean-up.

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BIA or SMA specifications. A cattleguard with an adjacent 16 foot gate shall be installed in any fence where a road is to be regularly travelled. If the well is a producer, the cattleguards (shall/ shall not) be permanently mounted on concrete bases. Prior to a new road, crossing any fence located on federal land, or any fence between federal land and private land, the operator will contact the BIA, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to

satisfy himself/herself that the fence is adequately braced and tied off.

10. PLANS FOR RESTORATION OF SURFACE

A. PRODUCING LOCATION

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion (weather permitting). Before any dirt work takes place, the reserve pit will be completely dry and all cans, barrels, pipe, fluid, and hydrocarbons, will be removed.

Contact appropriate surface management agency for required seed mixture.

B. DRY HOLE/ABANDONED LOCATION

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and BIA will attach the appropriate surface rehabilitation conditions of approval.

ON BIA Administered lands:

Abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include: (a) reestablishing irrigation systems where applicable, (b) reestablishing soil conditions in irrigated fields in such a way as to ensure cultivation and harvesting of crops and, (c) ensuring revegetation of the disturbed areas to the specifications of the Ute Indian Tribe or the BIA at the time of abandonment.

11. SURFACE OWNERSHIP

Access road: Ute Indian Tribe

Location: Ute Indian Tribe

12. OTHER INFORMATION

A. Petroglyph Operating Co., Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the AO. Within five working days the AO will inform the operator as to:
-whether the materials appear eligible for the National Register of historic Places;

the mitigation measures the operator will likely have to undertake before the site can be used.

-a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

B. As operator, Petroglyph Operating Co., Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BIA,

or the appropriate County Extension Office. On BIA administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.

- C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Tribal Lands after the conclusion of drilling operations or at any other time without BIA authorization. However, if BIA authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

On BIA administered land:

Operator's employees, including subcontractors, will not gather firewood along roads constructed by operators. If wood cutting is required, a permit will be obtained from the Forestry Department of the BIA pursuant to 25 CFR 169.13 "Assessed Damages Incident to Right-of-Way authorization". All operators, subcontractors, vendors, and their employees or agents may not disturb saleable timber (including firewood) without a duly granted wood permit from the BIA Forester.

If the surface rights are owned by the Ute Indian Tribe and mineral rights are owned by another entity, an approved right-of-way will be obtained from the BIA before the operator begins any construction activities. If the surface is owned by another entity and the mineral rights are owned by the Ute Indian Tribe, rights-of-way will be obtained from the other entity.

All roads constructed by operators on the Uintah and Ouray Indian Reservation will have appropriate signs. Signs will be neat and of sound construction. They will state: (a) that the land is owned by the Ute Indian Tribe, (b) the name of the operator, (c) that firearms are prohibited to all non-Ute Tribal members (d) that permits must be obtained from the BIA before cutting firewood or other timber products, and (e) only authorized personnel permitted. All well site locations on the Uintah and Ouray Indian Reservation will have an appropriate sign indicating the name of the operator,

the lease serial number, the well name and number, the survey description of the well (either footage or the quarter-quarter section, the section, township, and range).

Additional Surface Stipulations

N/A No construction or drilling activities shall be conducted between

_____ and _____ because of _____

N/A No surface occupancy will be allowed within 1,000 feet of any sage grouse strutting ground.

N/A No construction or exploration activities are permitted within 1.5 mile radius of sage grouse strutting grounds from April 1 to June 30.

N/A There shall be no surface disturbance within 600 feet of live water (includes stock tanks, springs, and guzzlers).

N/A No cottonwood trees will be removed or damaged.

N/A Pond will be constructed according to BLM specifications approximately _____ ft. _____ of the location, as flagged on onsite.

LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION

PERMITTING

Ed Trotter

1620 West 750 North

Vernal UT 84078

Telephone # (801)789-4120

Fax # (801) 789-1420

OPERATIONS

Dan Lindsey

P.O. Box 607

Roosevelt, UT 84066

(801) 722-2531

Fax # (801) 722-9145

All lease/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approval plan of operations, and any applicable Notice to Lessees. Petroglyph Operating Co., Inc. is fully responsible for the actions of their subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

A copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

The BIA Office shall be notified upon site completion prior to moving on the drilling rig.

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in the Plan are to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Petroglyph Operating Co., Inc. and its contractors and sub-contractors in conformity with this Plan and the terms and conditions under which it is approved.

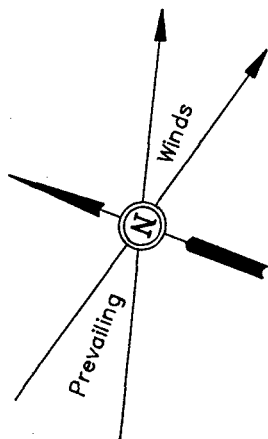
5-10-96
Date



PETROGLYPH OPERATING CO., INC.

LOCATION LAYOUT FOR

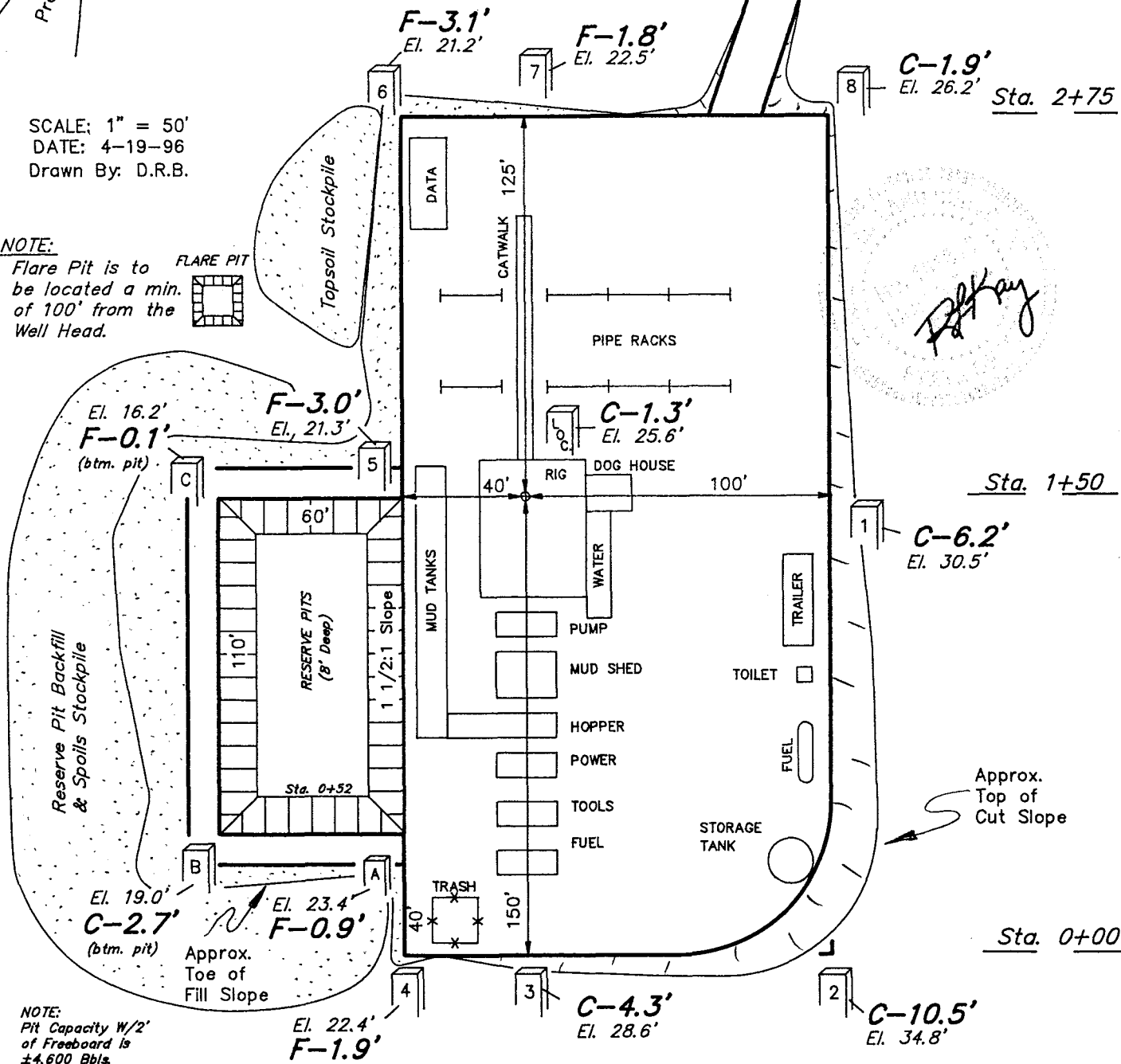
UTE TRIBAL #04-02
SECTION 4, T5S, R3W, U.S.B.&M.
660' FNL 1970' FEL



SCALE: 1" = 50'
DATE: 4-19-96
Drawn By: D.R.B.

NOTE:

Flare Pit is to be located a min. of 100' from the Well Head.



NOTE:
Pit Capacity W/2'
of Freeboard is
±4,600 Bbls.

Elev. Ungraded Ground at Location Stake = 5925.6'

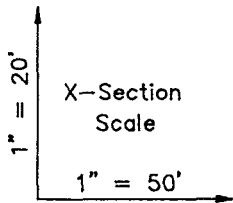
Elev. Graded Ground at Location Stake = 5924.3'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (801) 789-1017

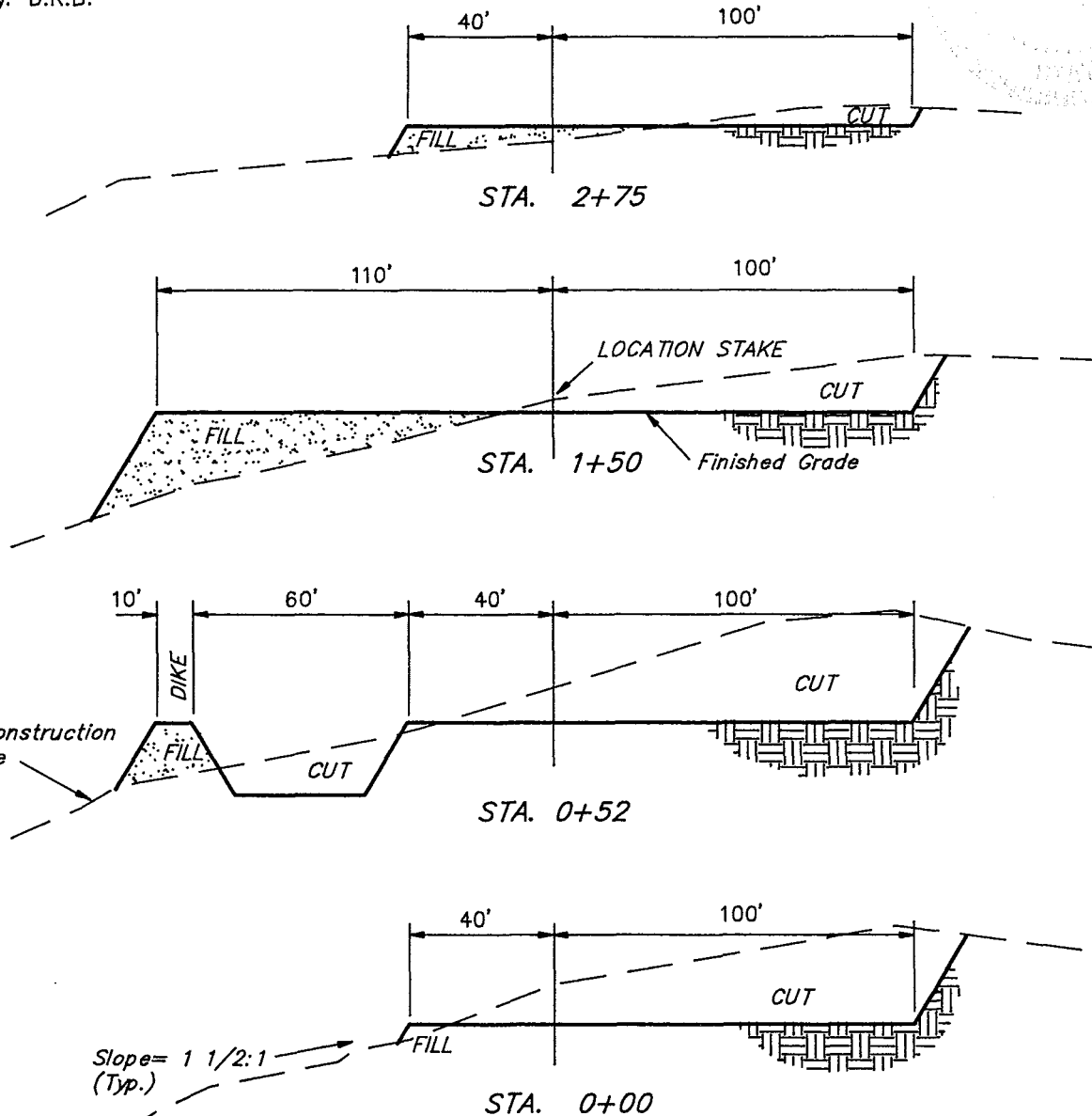
PETROGLYPH OPERATING CO., INC.

TYPICAL CROSS SECTIONS FOR

UTE TRIBAL #04-02
SECTION 4, T5S, R3W, U.S.B.&M.
660' FNL 1970' FEL



DATE: 4-19-96
Drawn By: D.R.B.



NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE YARDAGES


(12") Topsoil Stripping = 1,670 Cu. Yds.
Remaining Location = 5,390 Cu. Yds.
TOTAL CUT = 7,060 CU.YDS.
FILL = 2,660 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION = 4,260 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = 2,370 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation) = 1,890 Cu. Yds.

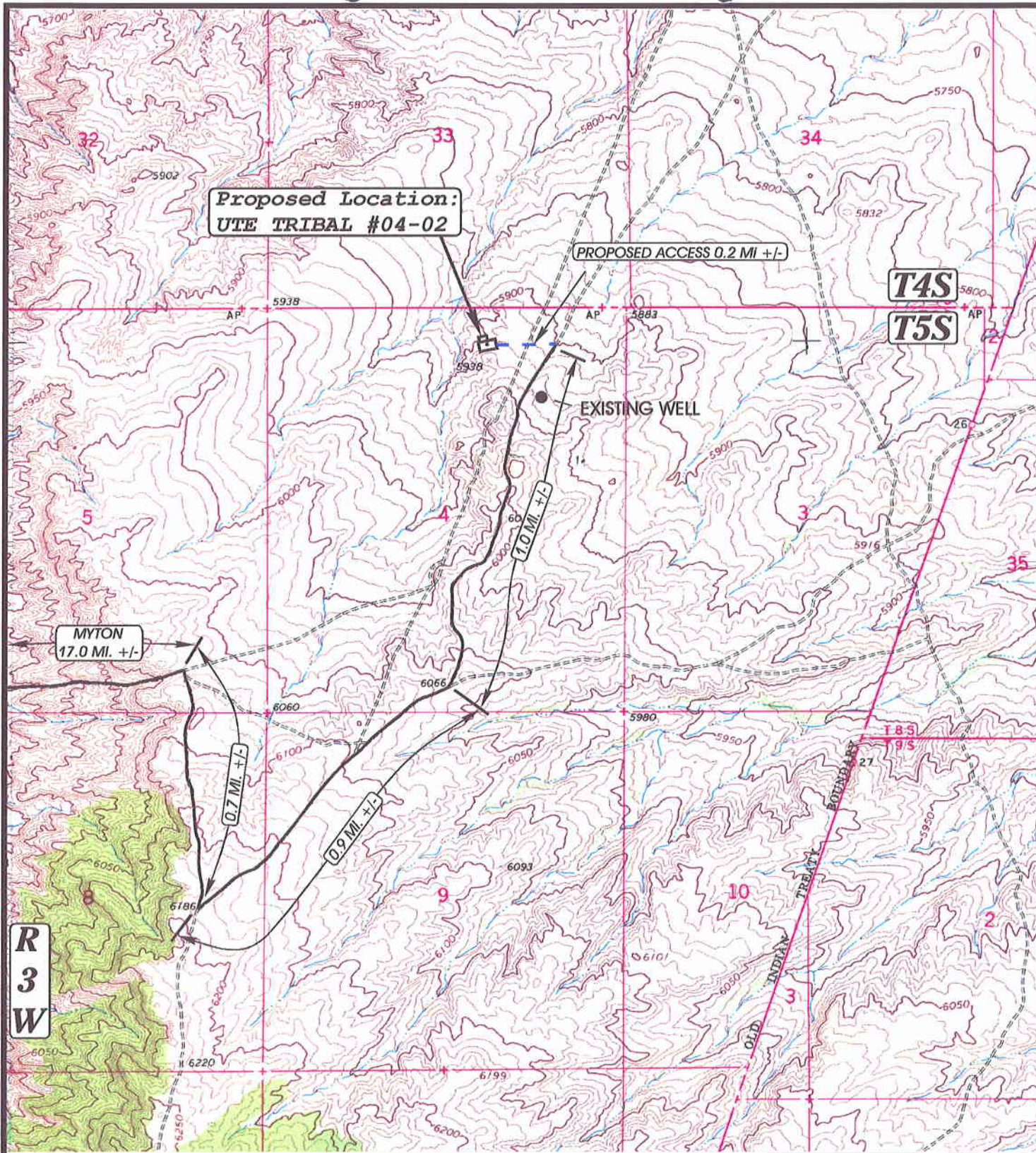
UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017



DATE: 4-19-96
Drawn by: D.R.B.



UTE TRIBAL #04-02
SECTION 4, T5S, R3W, U.S.B.&M.
660' FNL 1970' FEL



R
3
W

TOPOGRAPHIC
MAP "B"

DATE: 4-19-96
Drawn by: D.R.B.

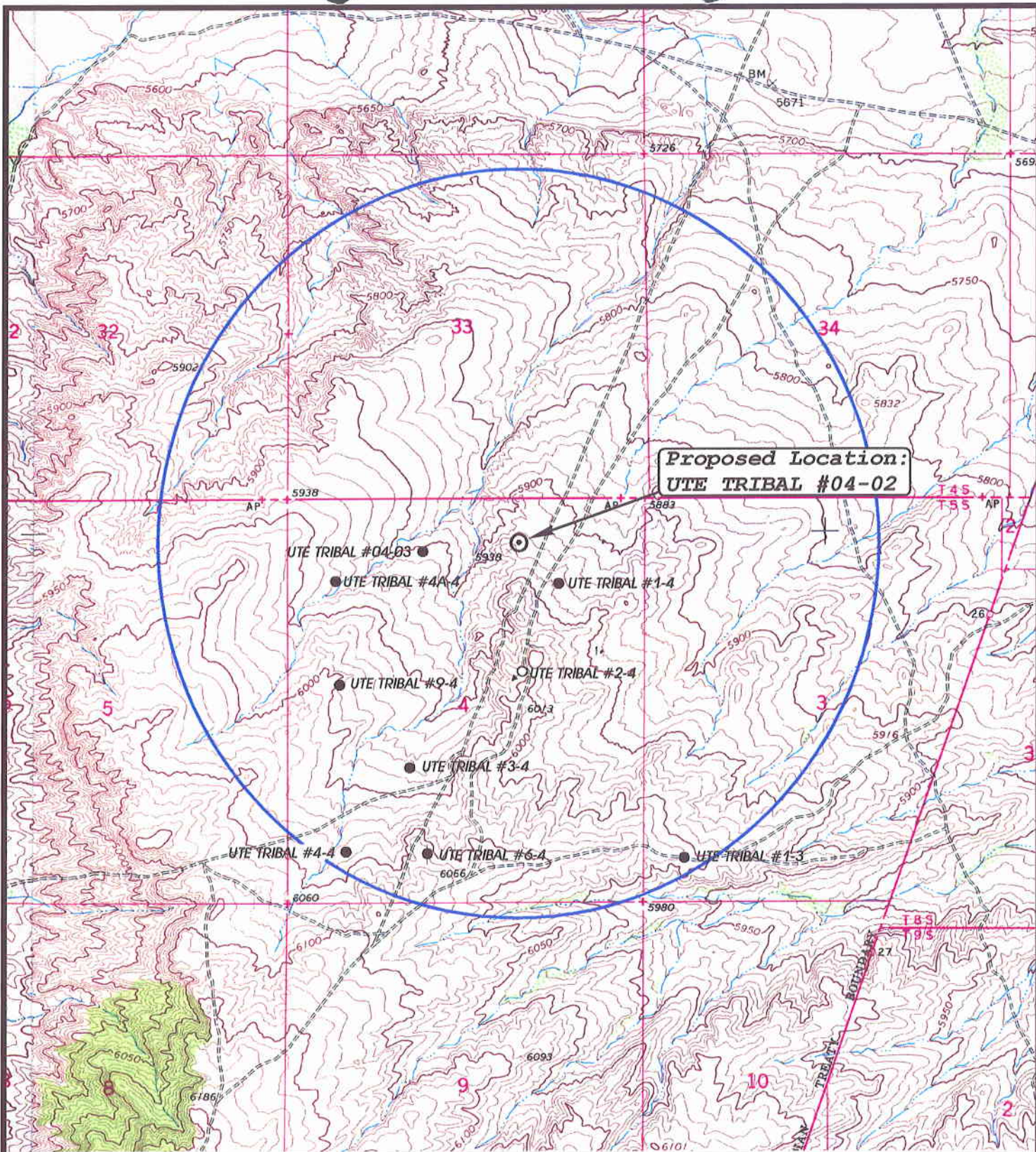
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85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017



PETROGLYPH OPERATING CO., INC.

UTE TRIBAL #04-02
SECTION 4, T5S, R3W, U.S.B.&M.
660' FNL 1970' FEL

SCALE: 1" = 2000'



LEGEND:

- Water Wells
- Abandoned Wells
- Temporarily Abandoned Wells
- Disposal Wells
- Drilling Wells
- Producing Wells
- Shut-in Wells

U E L S
 UINTEH ENGINEERING & LAND SURVEYING
 85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

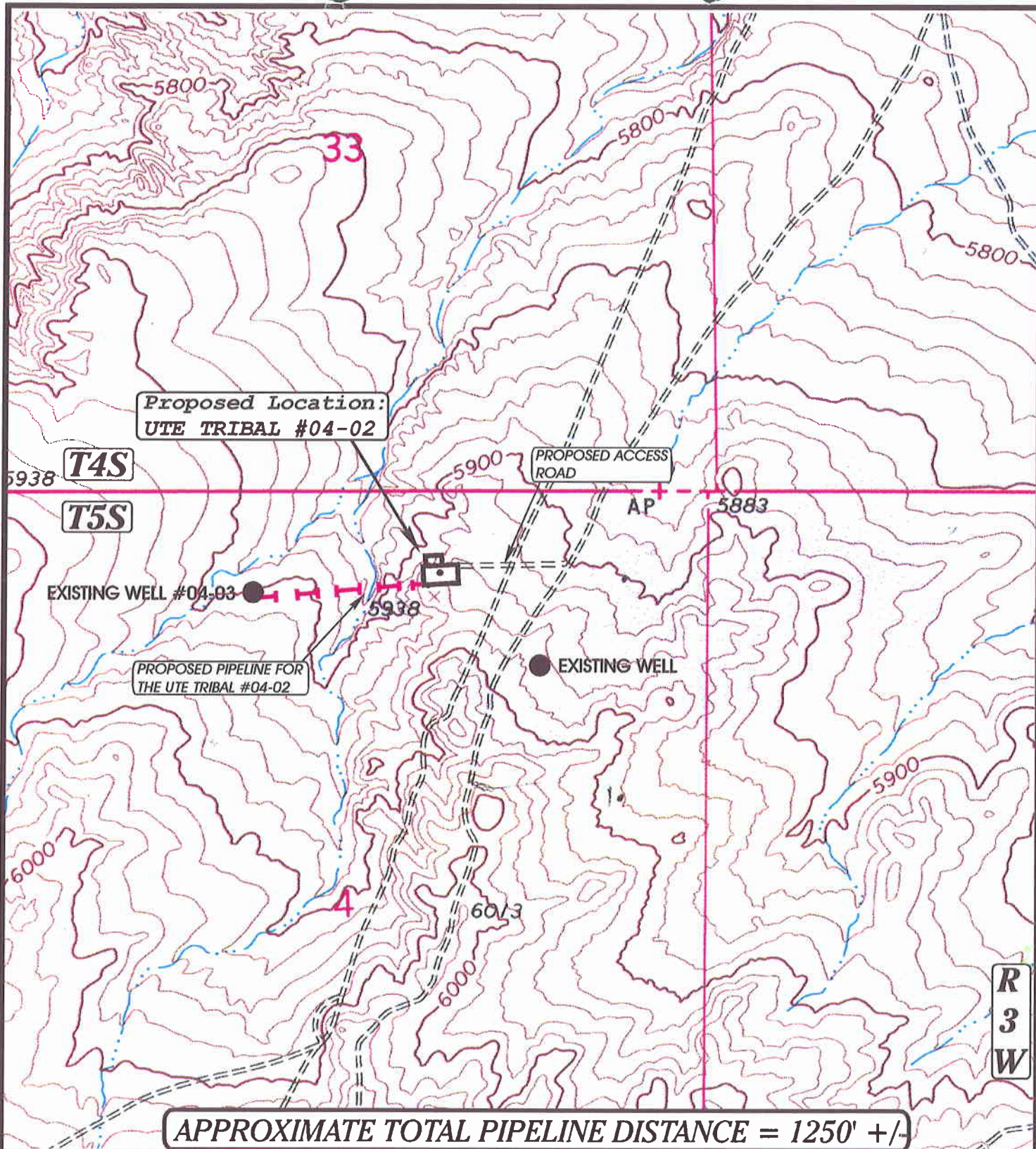


SCALE: 1" = 2000'

PETROGLYPH OPERATING CO., INC.

UTE TRIBAL #04-02
 SECTION 4, T5S, R3W, U.S.B.&M.
 TOPOGRAPHIC
 MAP "C"

DATE: 4-19-96 D.COX



**TOPOGRAPHIC
MAP "D"**

U
E
I
S

----- Existing Pipeline
HHHHHHHH Proposed Pipeline



PETROGLYPH OPERATING CO., INC.

**UTE TRIBAL #04-02
SECTION 4, T5S, R3W, U.S.B.&M.**

**DATE: 4-19-96
Drawn by: D.R.B.**

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 05/14/96

API NO. ASSIGNED: 43-013-31657

WELL NAME: UTE TRIBAL 04-08
OPERATOR: PETROGLYPH OPERATING (N3800)

PROPOSED LOCATION:

SENE 04 - T05S - R03W
SURFACE: 2241-FNL-0650-FEL
BOTTOM: 2241-FNL-0650-FEL
DUCHESNE COUNTY
ANTELOPE CREEK FIELD (060)

LEASE TYPE: IND
LEASE NUMBER: 14-20-H62-3503

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Federal ☒ State ☐ Fee ☐
(Number BO 4556)
☒ Potash (Y/N)
☒ Oil shale (Y/N)
☒ Water permit
(Number 49-10152)
☒ RDCC Review (Y/N)
(Date: _____)

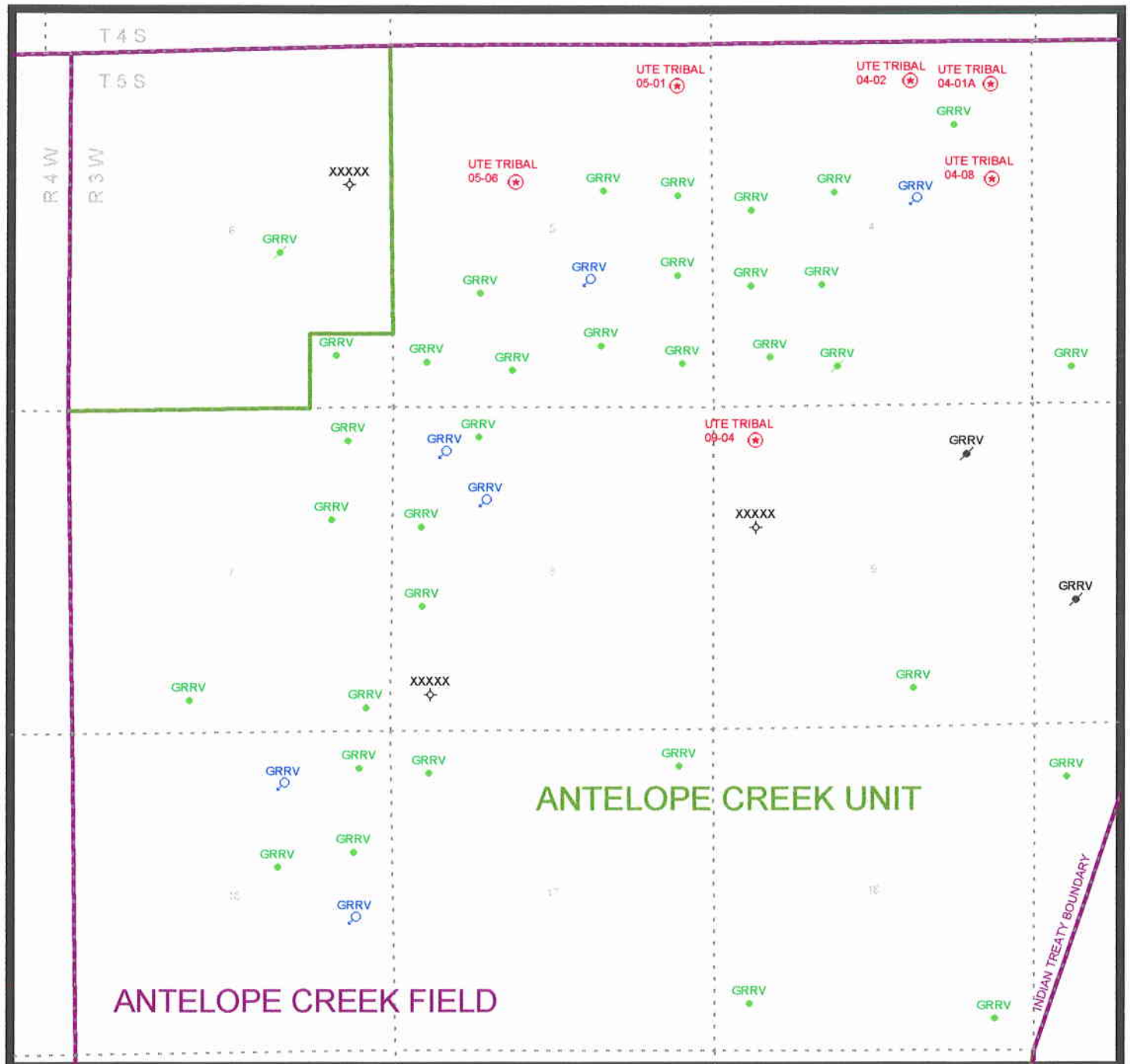
LOCATION AND SITING:

☒ R649-2-3. Unit: Antelope Creek
☐ R649-3-2. General.
☒ R649-3-3. Exception.
☐ Drilling Unit.
Board Cause no: _____
Date: _____

COMMENTS: _____

STIPULATIONS: _____

PETROGLYPH OPERATING DEVELOPMENT DRILLING ANTELOPE CREEK UNIT DUCHESNE COUNTY, UAC R649-2-3



PREPARED:
DATE:
15-MAY-96

STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: PETROGLYPOH OPERATING	Well Name: UTE TRIBAL 04-08
Project ID: 43-013-31657	Location: SEC. 04 - T05S - R03W

Design Parameters:

Mud weight (9.63 ppg) : 0.500 psi/ft
 Shut in surface pressure : 2726 psi
 Internal gradient (burst) : 0.077 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Other : 1.50 (J)
 Body Yield : 1.50 (B)

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost
1 6,448	5.500	15.50	J-55	ST&C	6,448	4.825	
Collapse Load Strgth S.F. (psi) (psi)			Burst Min Int Yield Load Strgth S.F. (psi) (psi)			Tension Load Strgth S.F. (kips) (kips)	
1	3224	4040 1.253	3224	4810 1.49	99.94	202	2.02 J

Prepared by : MATTHEWS, Salt Lake City, Utah

Date : 05-17-1996

Remarks :

Minimum segment length for the 6,448 foot well is 1,500 feet.
 SICP is based on the ideal gas law, a gas gravity of 0.75, and a mean gas temperature of 119°F (Surface 74°F , BHT 164°F & temp. gradient 1.400°/100 ft.)
 String type: Production
 The mud gradient and bottom hole pressures (for burst) are 0.500 psi/ft and 3,224 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.
 Costs for this design are based on a 1987 pricing model. (Version 1.07)



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

May 17, 1996

Petroglyph Operating Company, Inc.
P.O. Box 607
Roosevelt, Utah 84066

Re: Ute Tribal #04-08 Well, 2241' FNL, 650' FEL, SE NE, Sec. 4,
T. 5 S., R. 3 W., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31657.

Sincerely,

R. J. Firth
Associate Director

lwp

Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office

WAPD



Operator: Petroglyph Operating Company, Inc.
Well Name & Number: Ute Tribal #04-08
API Number: 43-013-31657
Lease: 14-20-H62-3503
Location: SE NE Sec. 4 T. 5 S. R. 3 W.

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. 14-20-H62-3503		
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME UINTAH & OURAY TRIBE		
2. NAME OF OPERATOR PETROGLYPH OPERATING CO., INC.			7. UNIT AGREEMENT NAME		
3. ADDRESS AND TELEPHONE NO. P.O. BOX 607 ROOSEVELT, UT 84066			8. FARM OR LEASE NAME, WELL NO. UTE TRIBAL		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 2241' FNL & 650' FEL LOT 9 At proposed prod. zone			9. API WELL NO. #04-08		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 19.5 miles southwest of Myton, Utah			10. FIELD AND POOL, OR WILDCAT ANTELOPE CREEK		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 650'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 4, T5S, R3W		
16. NO. OF ACRES IN LEASE 727.80			12. COUNTY OR PARISH DUCHESENE		
17. NO. OF ACRES ASSIGNED TO THIS WELL 40			13. STATE UTAH		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 6448'			20. ROTARY OR CABLE TOOLS Rotary		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5937.1 Graded Ground			22. APPROX. DATE WORK WILL START* May 1996		

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24.0#	250'	135 sx class "G" + 2% CaCl ₂
7 7/8	5 1/2	15.5#	6448'	+ 1/4 #/sx Celloflake.

50/50 POZMIX + 2% GEL + 10% SALT TO 400' ABOVE ALL ZONES OF INTEREST (+10% EXCESS). LIGHT CEMENT (11 PPG ±) + LCM TO 200' ABOVE OIL SHALE OR FRESH WATER INTERVALS (+ 5% EXCESS).

PETROGLYPH OPERATING CO., INC WILL BE THE DESIGNATED OPERATOR OF THE SUBJECT WELL UNDER BOND # BO 4556.

pc: Utah Division of Oil, Gas and Mining
Bureau of Indian Affairs, Fort Duchesne, UT
Uintah & Ouray Tribe, Fort Duchesne, UT

RECEIVED
MAY 13 1996

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] TITLE AGENT FOR PETROGLYPH DATE 5-10-96

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED

APPROVED BY [Signature] TITLE DATE

ASSISTANT DISTRICT
MANAGER MINERALS

MAY 17 1996

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Petroglyph Operating Company

Well Name & Number: Ute Tribal 04-08

API Number: 43-013-31657

Lease Number: 14-20-H62-3503

Location: Lot 9 Sec. 08 T. 5S R. 3W

NOTIFICATION REQUIREMENTS

- | | | |
|---------------------------------|---|---|
| Location Construction | - | at least forty-eight (48) hours prior to construction of location and access roads. |
| Location Completion | - | prior to moving on the drilling rig. |
| Spud Notice | - | at least twenty-four (24) hours prior to spudding the well. |
| Casing String and Cementing | - | at least twenty-four (24) hours prior to running casing and cementing all casing strings. |
| BOP and Related Equipment Tests | - | at least twenty-four (24) hours prior to initiating pressure tests. |
| First Production Notice | - | within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days. |

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative by the operator to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report **ALL** water shows and water-bearing sands to Tim Ingwell of this office **prior to setting the next casing string or requesting plugging orders**. Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a **2M** system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

If conductor pipe is set it will be cemented to surface. If drive pipe is used it will be pulled prior to cementing surface casing.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected via the cementing program. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to **Top of Cement** and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9. d.), and shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b. 4).

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted following initial installation and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approval or notification is necessary, please contact one of the following individuals:

Wayne Bankert (801) 789-4170
Petroleum Engineer

Ed Forsman (801) 789-7077
Petroleum Engineer

Jerry Kenczka (801) 789-1190
Petroleum Engineer

BLM FAX Machine (801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.

SURFACE USE PLAN OF OPERATION

Conditions of Approval (COA's)

1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the areas examined, as referenced in report, and to the existing roadways and/or evaluated access routes.
2. All recommendations of the Bureau of Indian Affairs, combined site specific Environmental Analysis (EA) report shall be strictly adhered, during and after construction.
3. All personnel should refrain from collecting artifacts and from disturbing any significant cultural or paleontological resources in the area.
4. The personnel from the Ute Tribe Energy & Minerals Department should be consulted, should cultural remains from subsurface deposits be exposed during construction work.
5. All construction will be monitored by Tribal Technician. Prior notification to Ute Tribe Energy & Minerals required.

Mitigation stipulations from the combined site specific Environmental Analysis.

1. Before the site is abandoned the company will be required to restore the well pad and access road to near their original state. The disturbed area will be reseeded with desirable perennial vegetation.
2. Noxious weeds will be controlled on all well sites and rights-of-way. If noxious weeds spread from the well sites or rights-of-way onto adjoining land, the company will also be responsible for their control.
3. The pipeline will be constructed to lay on the soil surface, and the right-of-way will not be bladed or cleared of vegetation.

Where pipelines are constructed parallel to roads they may be welded on the road and then lifted from the road onto the right-of-way.

Where pipelines do not parallel roads but cross country between stations, they shall be welded in place at well sites or on access roads and then pulled between stations with a suitable piece of equipment. Traffic will be restricted along these areas so that the pipeline right-of-way will not be used as an access road.

4. An open drilling system shall be used. The reserve pit will be lined with an impervious synthetic liner. After the drilling operation is complete, excess fluids shall be removed from the reserve pit and either hauled to an approved disposal site or shall be used to drill other wells. When the fluids are removed, the pit shall be backfilled a minimum of 3.0 feet below the soil surface elevation.
5. A closed production system will be used. This means all produced water and oil field fluid wastes shall be contained in leak proof tanks. These fluids shall be disposed of in either approved injection wells or disposal pits.

OPERATOR Petroglyph Operating Co., Inc.
ADDRESS P.O. Box 1839
Hutchinson, KS 67504-1839

OPERATOR ACCT. NO N3800

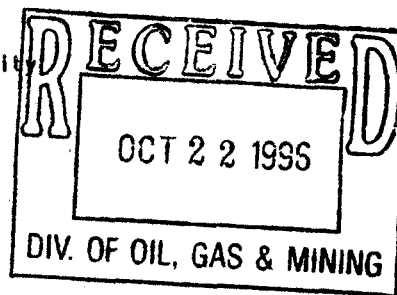
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	9388	43-013-31657	Ute Tribal 04-08	SENE	4	5S	3W	Duchesne	9-12-96	
WELL 1 COMMENTS: Ute Tribal 04-08 will tie into Ute Tribal 04-01 Battery. Entity added 10-22-96. Lec											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

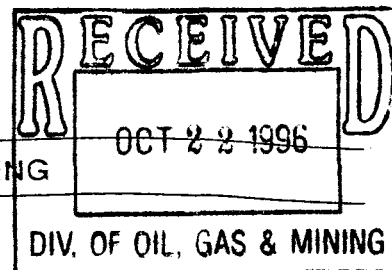
NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)



Deanna K. Bell
Signature Deanna K. Bell
Operations Coordinator 9-17-96
Title _____ Date _____
Phone No. (801) 722-2531

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING



REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: UTE Tribal 04-08
API number: 43-013-31657
2. Well Location: QQ SENE Section 4 Township 5S Range 3W County Duchesne
3. Well operator: Petroglyph
Address: P.O. Box 607
Roosevelt, UT. 84066
Phone: 801-789-0549 (H)
801-828-0549 (M)
4. Drilling contractor: Union Drilling
Address: Drawer 40
Buckhannon, W.V. 26201
Phone: 1-800-352-3839
304-472-4610
5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
	<u>980</u>	<u>1/2" STREAM</u>	<u>FRESH</u>

6. Formation tops:

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 9/27/96

Name & Signature:

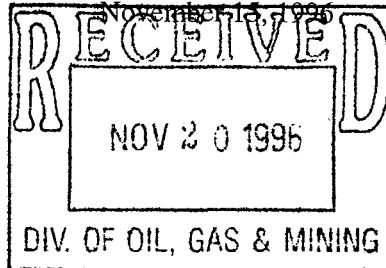
Justin J. Ray & Deanna Bell

Title:

Operations Coordinator

VIA UPS

Vicky Dyson
State of Utah
Division of Oil, Gas & Mining
1594 W. North Temple, Ste. 1210
Salt Lake City, UT 84114



Ms. Dyson:

Enclosed please find the logs listed below for the wells located in Duchesne County, Utah.

<u>Well Name</u>	<u>Log</u>
Ute Tribal 03-04	CNL, AIT
Ute Tribal 03-12	CNL, AIT
Ute Tribal 04-02A	CNL/GR
Ute Tribal 04-08	CNL/GR, AIT 43013 31657
Ute Tribal 04-15	CNL, AIT
Ute Tribal 08-07	AIT
Ute Tribal 17-12	AIT
Ute Tribal 28-05A	CNL
Ute Tribal 30-01	CNL, AIT
Ute Tribal 30-08	CNL, AIT

05303W04

CONFIDENTIAL

If you have any questions, please do not hesitate to contact me at (316) 665-8500.

Sincerely,

Angela R. Ely
Angela R. Ely
Administrative Operations Manager

ARE/ms

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other <input type="checkbox"/>		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. CENVR. <input type="checkbox"/>	Other <input type="checkbox"/>
2. NAME OF OPERATOR Petroglyph Operating Company, Inc.							
3. ADDRESS OF OPERATOR P. O. Box 1839, Hutchinson, KS 67504-1839							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 2241' FNL & 650' FEL, Lot 9, SE NE At top prod. interval reported below At total depth 6479 RTD							
14. PERMIT NO. 43-013-31657				DATE ISSUED			
15. DATE SPUDDED 9-12-96		16. DATE T.D. REACHED 9-20-96		17. DATE COMPL. (Ready to prod.) 10-5-96		18. ELEVATIONS (OF, RKB, RT, CB, ETC.)* 5937.1	
20. TOTAL DEPTH, MD & TVD 6479		21. PLUG, BACK T.D., MD & TVD 6417		22. IF MULTIPLE COMPL. HOW MANY*		23. INTERVALS DRILLED BY	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Green River						25. WAS DIRECTIONAL SURVEY MADE	
26. TYPE ELECTRIC AND OTHER LOGS RUN CNL, AIT 11-20-96						27. WAS WELL CORED	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
8-5/8		24#		254		12-1/4	
5-1/2		15.5#		6462		7-7/8	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2-7/8		6242					
31. PERFORATION RECORD (Interval, size and number)							
6371-74 (13 shots)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
5155-57 (9 shots)				DEPTH INTERVAL (MD)			
5010-14 (17 shots)				AMOUNT AND KIND OF MATERIAL USED			
5018-22 (17 shots)				6371-74 3661 gal fluid, 13300# prop			
				5155-57 3873 gal fluid, 13219# prop			
				5010-22 7465 gal fluid, 25500# prop			
33.* PRODUCTION							
DATE FIRST PRODUCTION 11-8-96		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) pumping, 2-1/2 x 1-1/2 x 16 40 ring PA				WELL STATUS (Producing or shut-in) producing	
DATE OF TEST 11-11-96		HOURS TESTED 24		CHOKE SIZE		PROD'N. FOR TEST PERIOD	
FLOW. TUBING PRESS.		CASING PRESSURE 1550		CALCULATED 24-HOUR RATE		OIL—BBL.	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) sold; used for fuel						TEST WITNESSED BY Dave Schreiner	
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <u>Glenna S. Baluck</u>				TITLE <u>Production Analyst</u>		DATE <u>11-20-96</u>	

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38.

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
X Marker	4659					
Douglas Creek	4801					
B Limestone	5196					
Castle Peak	5781					
Basal Carbonate	6162					

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: Petroglyph Operating Co.
Address: P.O. Box 607
Roosevelt, UT 84066

Operator Account Number: N 3800Phone Number: 435-722-253

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-013-31655	Ute Tribal 04-01A		SW	4	5S	3W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
C	09388	11780				April-2004	
Comments: This well is now on the 04-06 Tank Battery. 5/14/04							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-013-31657	Ute Tribal 04-08		SE/NE	4	5S	3W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
C	09388	11780	9-12-1996			April-2004	
Comments: This well is now on the 04-06 Tank Battery. 5/13/04							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-013-31617	Ute Tribal 04-03		NE/NW	4	5S	3W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
C	11911	11780				April-2004	
Comments: This well is now on the 04-06 Tank Battery. 5/13/04							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

RECEIVED

Callie Duncan MAY 12 2004
Name (Please Print)
Callie Duncan
Signature
Production Asst.
Title
5-11-04
Date

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

1420H623503

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

UTE TRIBE

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

UTE TRIBAL 04-08

9. API NUMBER:

43013 31657

10. FIELD AND POOL, OR WILDCAT:

ANTELOPE CREEK

1. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

2. NAME OF OPERATOR:

PETROGLYPH

3. ADDRESS OF OPERATOR:

BOX 607

CITY ROOSEVELT

STATE UT

ZIP 84066

PHONE NUMBER:

(435) 722-2531

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2441' FNL & 650' FEL

COUNTY: DUCHESNE

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 4 5S 3W

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ NOTICE OF INTENT
(Submit in Duplicate)

Approximate date work will start:

9/30/2010

☐ SUBSEQUENT REPORT
(Submit Original Form Only)

Date of work completion:

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☐ OPERATOR CHANGE

☒ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THIS WELL IS CURRENTLY TAD AND IS NOT A CANDIDATE FOR FURTHER DEVELOPEMENT OR WATER FLOOD ENHANCEMENT. A CIBP WAS SET 4960' AND MIT SUCCESSFULLY CONDUCTED ON 6/15/07 AND IS STILL IN PLACE. PETROGLYPH WILL RIH WITH TBG. TO CIBP AT 4960', CIRC. HOLE WITH 2%KCL AND SPOT 50' CMT. PLUG ON CIBP, POOH TO EOT 4620' SPOT 200' BALANCE PLUG TO 4420' TO COVER GARDEN GULCH, SHOOT SQUEEZE HOLES AT 1540' AND SET CIBR AT 1440' AND CIRC. CMT. TO SURFACE UP ANNULUS (ECT 2560' PER CBL), PUMP CMT. PLUG 304' TO SURFACE IN 5 1/2" / CUT OFF CSGS. 3' BELOW SURFACE AND WELD ON MARKER AND RECLAIM LOCATION AS PER BIA, UTE TRIBE REQUIREMENTS, SUBMIT FINAL ABANDONMENT AND RECLAMATION SUNDRIES.

PLEASE SEE ATTACHED BLM APPROVAL AND CONDITIONS ATTACHED

COPY SENT TO OPERATOR

Date: 9.29.2010

Initials: KS

NAME (PLEASE PRINT) BOYD COOK

TITLE RIG REP

SIGNATURE

Boyd Cook

DATE

9/20/2010

(This space for State use only)

Accepted by the
Utah Division of
Oil, Gas and Mining

Federal Approval Of This
Action Is Necessary

(5/2000)

Date: 9/23/10
By: *D. K. King*

(See Instructions on Reverse Side)

RECEIVED

SEP 22 2010

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2.		VERNAL FIELD OFFICE
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	ENG. _____	7. If Unit of CA/Agreement, Name and/or No.
2. Name of Operator PETROGLYPH ENERGY	GEOL. _____	8. Well Name and No. UTE TRIBAL 04-08
3a. Address P.O. BOX 607 ROOSEVELT, UT. 84066	ES. _____	9. API Well No. 31652 43013 31652
3b. Phone No. (include area code) 435-722-2511	PET. _____	10. Field and Pool or Exploratory Area ANTELOPE CREEK
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2441' FNL & 650' FEL, LOT 9 SE/NE SEC. 4	RECL. _____	11. Country or Parish, State DUCHESSNE COUNTY, UTAH

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

RIH W/2 7/8" TBG. TO EXISTING CIBP 4960'-DISPLACE HOLE W/120 BBLs. 2% KCL / MIRU BIG 4 / PUMP 50' CLASS "G" PLUG ON TOP OF PLUG TO TOC 4890' USING 15.8# SLURRY / RUN MIT AT REQUIRED PSI AND LENGTH / POOH W/LD TBG. TO EOT 4620' / PUMP 200' BALANCE PLUG TO TOC 4420' / TAG PLUG IF REQUIRED / POOH W/LD TBG. / RU WL/ RIH SHOOT 4 HOLES 304' (50' BELOW SURF. 8 5/8" SHOE) ESTAB. CIRC. DOWN 5 1/2" CSG. UP 8 5/8" ANNULUS / PERFORM CMT. SQUEEZE THRU PERFS. TO SURFACE / UPON APPROVAL CUT OFF CSG. HEADS 3' BELOW SURFACE AND WELD ABANDONED HOLE MARKER. SUBMIT FINAL ABANDONMENT SUNDRY / RECLAIM SURFACE AS REQUIRED. AND INSTRUCTED BY BIA/UTE INDIAN TRIBE

ALL CMT. 15.8# SLURRY 1.15 YD. FT. (3) 5.0 GALs./SK

DISPLACEMENT FLUID 2% KCL OR 9.2# GEL, AS INSTRUCTED

EXISTING CIBP AT 4960' WAS SET ON 6/15/07 FOR TA / SUCESSFUL MIT WAS CONDUCTED AND WITNESSED BY BLM

EST. CMT. TOP ASPER 9-23-96 CBL 2560' (SEE ATTACHED DIAG. & CBL WINDOW)

BALANCE PLUG 4620'-4420' TO COVER TOP OF GR. NEVER

CONDITIONS OF APPROVAL ATTACHED

SHOOT SQUEEZE HOLES 1540' - SET CICK - SQUEEZE 40 SA BELOW CICK - 10 SX ON TOP

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)

BOYD COOK

Title RIG SUPERVISOR

Signature

Boyd Cook

Date 2-22-10

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

[Signature]

Petroleum Engineer

Date

MAR 15 2010

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

OPERATOR



Well Profile Diagram

Date: 6/15/2007

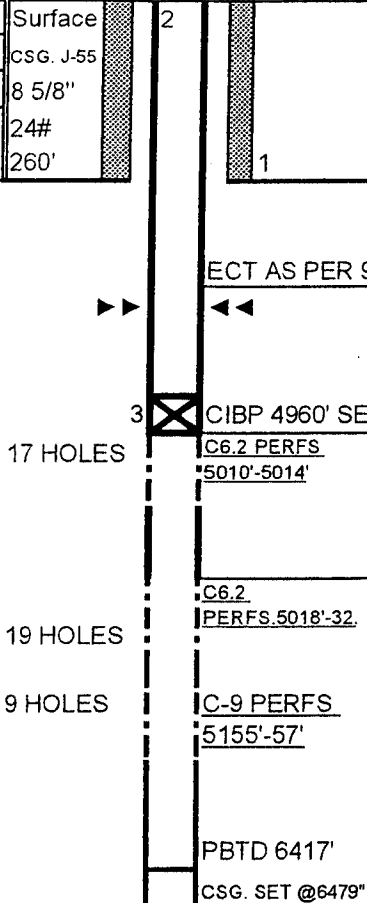
Type of Job: MIT FOR BLM

KB: 10'

Job Data

Company Petroglyph Operating Company, Inc.
Lease & No. O4-O8 Location: UTE TRIBAL
Casing-Size 5 1/2" Weight: 15.5#
Hole-Size 7 5/8" Formation: GREEN RIVER
Tubing-Size NONE Weight
API

WELL DATA



1. SURFACE CSG. 8 5/8" 24# J-55 SET @260'
2. PROD. CSG. 5 1/2" 15.5# J-55 SET @6472' (PBTD 6417)
3. 5 1/2" CIBP 4960' SET 9/23/96 FOR MIT

ECT AS PER 9/23/96 CBL 2560'

3 X CIBP 4960' SET 6/15/07 FOR MIT

17 HOLES C6.2 PERFS 5010'-5014'

19 HOLES C6.2 PERFS 5018'-32.

9 HOLES C-9 PERFS 5155'-57'

PBTD 6417'
CSG. SET @6479"

prepared By

(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

See other in
series on
series title

Budget Bureau No. 1004-0137
Expires August 31, 1985

LEASE DESIGNATION AND SERIAL NO.
14-20-H62-3503

IF INDIAN, ALLOTTEE OR TRIBE NAME
Ute Indian Tribe

UNIT AGREEMENT NAME
14-20-H62-4650

FARM OR LEASE NAME
Ute Tribal

WELL NO.
04-08

FIELD AND POOL, OR WILDCAT
Antelope Creek

SEC. T. R. M. OR BLOCK AND SURVEY
OR AREA
Sec 4-T5S-R3W

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ REPER ☐ IN PL BACK ☐ DIFF. RUNN ☐ Other ☐

2. NAME OF OPERATOR
Petroglyph Operating Company, Inc.

3. ADDRESS OF OPERATOR
P. O. Box 1839, Hutchinson, KS 67504-1839

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 2241' FNL & 650' FEL, Lot 9, SE NE
At top prod. interval reported below
At total depth

6479 RMD

14. PERMIT NO. 43-013-31657 DATE ISSUED

15. DATE RECORDED 9-12-96 16. DATE T.D. REACHED 9-20-96 17. DATE COMPL. (Ready to prod.) 10-5-96 18. ELEVATIONS (OF. RKE, RT, OR, ETC.) 5937.1

20. TOTAL DEPTH, MD & TVD 6479 21. PLUG. BACK T.D., MD & TVD 6417 22. IF MULTIPLE COMPL. HOW MANY? 23. INTERVALS DRILLED BY

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)
Green River

26. TYPE ELECTRIC AND OTHER LOGS RUN
CNL, AIT, CBL

25. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8	24#	254	12-1/4	150 sx Class G, 2% CaCl2	
5-1/2	15.5#	6462	7-7/8	83 sx bitlift, 369 sx 10-0 KFC	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8	6242	

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
6371-74 (13 shots)		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5155-57 (9 shots)		6371-74	3661 gal fluid, 13300# prop
5010-14 (17 shots)		5155-57	3873 gal fluid, 13219# prop
5018-22 (17 shots)		5010-22	7465 gal fluid, 25500# prop

33. PRODUCTION							
DATE FIRST PRODUCTION 11-8-96		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) pumping, 2-1/2 x 1-1/2 x 16 40 ring PA				WELL STATUS (Producing or shut-in) producing	
DATE OF TEST 11-11-96	HOURS TESTED 24	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BRL. 20	GAS—MCF 0	WATER—BBL. 13	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE 1550	CALCULATED 24-HOUR RATE	OIL—BRL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) sold; used for fuel TEST WITNESSED BY Dave Schreiner

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Glenn S. Baluch TITLE Production Analyst DATE 11-20-96

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONDITIONS OF APPROVAL FOR WELL ABANDONMENT

Company **Petroglyph Operating Co**
Well No. **Ute Tribal 04-08**

Location: **SENE, Sec. 4 T5S R3W**
Lease No. **14-20-H62-3503**

GOVERNMENT CONTACTS

BUREAU OF LAND MANAGEMENT - VERNAL FIELD OFFICE
170 South 500 East, Vernal, Utah 84078 (435) 781-4400

Petroleum Engineer: Ryan Angus	Cell: 828-7368	Office: 781-4430
Petroleum Engineer: Michael Lee	Cell: 828-7875	Office: 781-4432
Petroleum Engineer: Carey Doyle	Cell: 828-7874	Office: 781-3406
Suprv. I&E Inspector: Bill Owens	Cell: 828-7630	Office: 781-4498
Suprv. I&E Inspector: Jamie Sparger	Cell: 828-3913	Office: 781-4502

**A COPY OF THESE CONDITIONS SHALL BE GIVEN TO
YOUR FIELD REPRESENTATIVE TO ENSURE COMPLIANCE**

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

1. Addition to SN procedure; Our records indicate the Green River top to be @ 1440'. Therefore, shoot squeeze holes @ 1540', set CICR @ 1440' and squeeze 40 sx below CICR and spot 10 sx on top.

4,760 BLS
- 2,380 BLS VOL TO FENCE
2,410 BLS SQUEEZE

SITE SPECIFIC SURFACE CONDITIONS OF APPROVAL

1. Reclaim location as per the surface management agency's requirements. Within 30 days of completing the plugging operations, submit the reclamation plan to this office on a Sundry Notice of Intent.
2. Contact Bureau of Indian Affairs (BIA) if this is Indian Trust Surface for reclamation requirements at 435-722-4312, Johnna Blackhair, Realty Officer.
3. Operator and subcontractors will need Ute Indian Tribe business license and/or access permits.

STANDARD CONDITIONS OF APPROVAL

1. This office shall be notified sufficiently in advance of actual plugging work so that a representative may have an opportunity to witness the operation. If time permits, please try to notify this office at least 48 hours in advance of rigging up. **Notify Jamie Sparger or Bill Owens**
2. You shall notify the Fort Duchesne Office of the BIA, 435-722-4320, at least 48 hours prior to initiating the plugging procedure.

3. You shall notify the Ute Indian Tribe Energy & Minerals Office, Kermit Wopsock, 435-725-4999 or 435-725-4950, at least 48 hours prior to initiating the plugging procedure.
4. Prior to perforating any casing string, adequate BOPs, lubricators, and controls shall be installed.
5. If paraffin or scale deposits are detected while pulling the tubing or any other production equipment out of the wellbore, hot water treatments and/or scraper runs shall be conducted before placing any cement plugs.
6. All cement used for plugging shall be Class "G".
7. It will be left to the discretion of the BLM representative on location while plugging as to whether or not any of the plugs shall need to be tagged.
8. A GPS re-verification and certification of the abandoned well location shall be made for the Latitude and Longitude coordinates with accuracy to the sixth decimal place. This well location re-verification shall be noted on the Subsequent Sundry Notice of Abandonment.
9. Upon completion of the approved plugging program, a dry hole marker shall be installed in accordance with 43 CFR 3162.6(b) and clean up the site. The marker shall be a flat plate (with a weep hole) not less than 1/4 inch in thickness and large enough to contain all of the information identified below and shall be buried a minimum of three (3) foot below re-contoured surface level. Pits must be fenced unless approved otherwise by the authorized officer.
10. The following minimum information will be permanently and legibly placed on the marker with a plate, cap or welded bead:
 - A. Name of the operator.
 - B. Lease serial number.
 - C. Well number.
 - D. Surveyed description of the well; section, township and range and either footages or quarter-quarter section.
11. Within 30 days after well bore plugging operations have been completed, Form 3160-5 (formerly Form 9-331), Subsequent Report of Abandonment, shall be submitted to this office. The report must show the location of all plugs or any mechanical setting device, quantity and type of cement and additives in each plug, amount of casing or any tubulars left in the hole, methods used to test plugs and test results, and the status of the surface restoration. If a temporary delay in the removal of equipment or surface cleanup is deemed necessary, so justify in your report. This abandonment report will be approved by this office with surface stipulations. Liability for the well shall not be released until the surface management agency approves the actual site rehabilitation.
12. If not previously filed, submit in duplicate, Form 3160-4 (formerly Form 9-330), Well completion or Recompletion Report and Log, well history, electric logs, any other surveys, and, if taken, core

analysis. This completion report must be filed within 30 days after the culmination of downhole plugging operations.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: 1420H623503
2. NAME OF OPERATOR: PETROGLYPH OPERATING COMPANY, INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE INDIAN TRIBE
3. ADDRESS OF OPERATOR: PO BOX 607 CITY ROOSEVELT STATE UT ZIP 84066		7. UNIT or CA AGREEMENT NAME: 14-20-H62-4650
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2441' FNE & 650' FEL		8. WELL NAME and NUMBER: UTE TRIBAL 04-08
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 4 5S 3W		9. API NUMBER: 4301331657
COUNTY: _____		10. FIELD AND POOL, OR WILDCAT: ANTELOPE CREEK
STATE: _____		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 4/25/2011	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input checked="" type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This well is in TA status. Due to the oil prices, Petroglyph Operating Company is wanting to frac the Green River zones. Propose to move in rig on 4/29/ 2011, drill out CIBP @ 4960 ft., clean out perfs @ 6317-74 ft. and set new CIBP @ 6300 ft. To increase production, we will perf the Green River formation @ the following intervals: C4: 4829-33', 4837-4845', 4857-4860', C5.2: 4898-4900', 4909-4912', C6: 5006-5010', 5015-5018', 5022-5024', D7: 5482-5486', 5516-5522', 5547- 5554', 5586-5590', 5605-5610', E1.1: 5813-5816'. Perforate with 1 1/8" perf guns containing 22.7 gram charges, 0.42: EDH, 35.10" TTP @ 4 spf @ 129* phased. Acidize C6 perfs and clean up. Fracs on C4, C5.2, & D7 will consist of Delta frac 140 15#, 1-6 #ppg ramped sand with #10 water frac for flush. All plugs set to isolate fracs will be 5 1/2" 8K composite. Plugs will be drilled out and cleaned out to new CIBP @ 6300'. Well bore will be cleaned up by swabbing until good oil shows, then put to pump with rod string

COPY SENT TO OPERATOR

Date: 4.6.2011

Initials: _____

NAME (PLEASE PRINT) <u>Leon Roush</u>	TITLE <u>Rig Supervisor</u>
SIGNATURE <u><i>Leon Roush</i></u>	DATE <u>3/21/2011</u>

(This space for State use only)

Federal Approval Of This
Action Is Necessary

RECEIVED

MAR 28 2011

(5/2000)

By: *[Signature]*
* Cause No. 214-2

(See Instructions on Reverse Side)

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: PETROGLYPH OPERATING COMPANY INC.
Address: PO BOX 607
city ROOSEVELT
state UT zip 84066

Operator Account Number: N 3800

Phone Number: (435) 722-2531

Well 1

API Number	Well Name	QQ	Sec	Twp	Rng	County
4301331657	UTE TRIBAL 04-08	SENE	4	T5S	R3W	DUCHESNE
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
C	11780	17709	9/12/1996	4/19/2011		
Comments: <i>GRRV to common tank battery 4/25/11</i>						

Well 2

API Number	Well Name	QQ	Sec	Twp	Rng	County
4301331706	UTE TRIBAL 03-12	NWSW	3	T5S	R3W	DUCHESNE
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
C	12006	17709	9/21/1996	4/19/2011		
Comments: <i>GRRV to common tank battery 4/25/11</i>						

Well 3

API Number	Well Name	QQ	Sec	Twp	Rng	County
4301331164	UTE TRIBAL 08-12	NWSW	8	T5S	R3W	DUCHESNE
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
C	09386	12005	11/17/1986	4/19/2011		
Comments: <i>GRRV to common tank battery 4/25/11</i>						

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Glenda Davis

Name (Please Print)

Signature

Office Manager

Title

4/19/2011

Date

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APR 25 2011

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: 1240H623503
2. NAME OF OPERATOR: PETROGLYPH OPERATING COMPANY, INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE INDIAN TRIBE
3. ADDRESS OF OPERATOR: PO BOX 607 CITY ROOSEVELT STATE UT ZIP 84066		7. UNIT or CA AGREEMENT NAME: 14-20-H62-4650
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2441' FNL & 650' FEL		8. WELL NAME and NUMBER: UTE TRIBAL 04-08
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 4 T5S R3W		9. API NUMBER: 4301331657
COUNTY: DUCHESNE		10. FIELD AND POOL, OR WILDCAT: ANTELOPE CREEK
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input checked="" type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input checked="" type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Petroglyph Operating moved in rig on 5/5/2011 for a recompletion in the Green River formation. CIBP was set @ 6300' topped off with 10' cement to close off perforations 6371-6374. Upon adding perf height & acidizing perfs 5006-5010 new perf, 5010-14 previous perfs, 5015-5018 new perfs, 5008-22 previous perfs, 5022-5024 new perfs and 5155-5157 previous perfs, found non-profitable for prod due to water flow. These perfs were squeezed off. Plug was set composite plug @ 5210 ft. and set cement retainer @ 5090 ft. Perfs 5155-5157 were squeezed with 60 sks lead (65% cement, 35% poz, 6% gel, 10% salt) 12.4# ppg, slurry yield 1.97, 10.9 water gal/sk, tail cement @ 50 sks (Neat "G", .2% CFL 175, .1% CDI 33) 15.8#ppg, slurry yield 1.15, 5 water/sk. Pressured to 2900 psi for 30 min. Set retainer #2 @ 4981' and squeezed perfs: 5006-10, 5010-5014, 5015-5018, 5019-5022, 5022-5024 w/60 sks lead (65% cement, 35%poz, 6% gel, 10% salt. Tail cement: 50 sks (Neat "G", .2% CFL 175, CDI 33) 15.8#ppg, slurry 1.15, 5 gal water/sk. Squeeze pressure @ 2900 psi. Retainers and cement was drilled out and squeezed perfs were tested to 1000 psi, scraper run was made and perfs retested to 1000 psi (OK). Composite plug was drilled out. Perf Green River perfs: 5482-5486, 5516-5522, 5547-5554, 5586-5590, 5605-5610 w/ Titan perf guns containing 22.7 gram charges, 0.42" EHD, 35.10 "TTP @ 4 spf @ 120* phased. These perfs were fraced via 3 1/2" N-80 tbg. w/ 662 bbls 17# XL SLF gelled fluid containing 60, 529#s 20/40 mesh sand, 1-6#ppg sand ramp and 6#ppg hold. Plug was set @ 4990 ft. Perforated Green River: 4829-4833, 4837-4845, 4857-4860, 4898-4900, 4909-4912, w/ 3 1/8" Titan perf guns containing 27 gram charges, 0.42" EHD, 35.10"TTP @ 4 spf @ 120* phased. Perfs were fraced via 5 1/2" casing w/772 bbls 17# XL SLF gelled fluid containing 62,387#s 20/40 mesh sand, 1-6# ppg ramp and 6# ppg hold. Plug was drilled out and cleaned out to 6290'. Production tbg. was ran an well was swabbed till oil show. Prod pump was ran & placed on production on 6/15/2011

NAME (PLEASE PRINT) <u>Leon Roush</u>	TITLE <u>Rig Supervisor</u>
SIGNATURE <u><i>ML Roush</i></u>	DATE <u>6/16/2011</u>

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JUN 20 2011
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